

PHOTONIC-CRYSTAL FILAMENT AND METHODS

ABSTRACT

A photonic-crystal filament is formed by mixing a slurry comprising particles of substantially uniform size and a precursor material for a desired metal, urging the slurry through an orifice to force the particles and precursor material into a combination having a desired crystallographic configuration, drying the
5 combination emerging from the orifice, and sintering the precursor material.